

Title (en)
COUPLING ELEMENT FOR A HF STRIPLINE STRUCTURE

Title (de)
KOPPELELEMENT FÜR EINE HF-STREIFENLEITERSTRUKTUR

Title (fr)
ELEMENT DE COUPLAGE POUR UNE STRUCTURE EN LIGNE TRIPLAQUE HF

Publication
EP 1428288 A2 20040616 (DE)

Application
EP 02742718 A 20020507

Priority
• DE 0201639 W 20020507
• DE 10134685 A 20010720

Abstract (en)
[origin: DE10134685A1] The coupling element is a meander-shaped finger coupling structure in the form of a thin film structure on a silicon bearer contacted by the strip conducting tracks of the HF strip conductor structure by metalization. The metalization of the strip conducting tracks is in the form of distance holders that guarantee a defined air gap between the silicon bearer and HF substrate, especially when applying the bearer to the strip conducting tracks. The coupling element consists of a finger coupling structure in the form of a thin film structure (6) on a silicon bearer (7) contacted by the strip conducting tracks of the high frequency strip conductor structure (4) by metalization. The finger coupling structure is meander-shaped and the metalization of the strip conducting tracks is in the form of distance holders (9) that guarantee a defined air gap between the silicon bearer and an HF substrate (5), especially when applying the silicon bearer to the strip conducting tracks.

IPC 1-7
H01P 1/203

IPC 8 full level
H01P 1/00 (2006.01); **H01P 1/203** (2006.01)

CPC (source: EP US)
H01P 1/203 (2013.01 - EP US)

Citation (search report)
See references of WO 03012914A2

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 10134685 A1 20030206; DE 50212873 D1 20081120; EP 1428288 A2 20040616; EP 1428288 B1 20081008; JP 2004537234 A 20041209; US 2004036549 A1 20040226; US 6876268 B2 20050405; WO 03012914 A2 20030213; WO 03012914 A3 20030424

DOCDB simple family (application)
DE 10134685 A 20010720; DE 0201639 W 20020507; DE 50212873 T 20020507; EP 02742718 A 20020507; JP 2003517978 A 20020507; US 38123603 A 20030908